MILL-beta

COLLABORATORS

	TITLE : MILL-beta		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		August 26, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

MILL-beta

1.1   WELCOME!!!

```
                  ---------------------------------------------------------------------- ←


MILL (01.04.03)

(C)2002-2003 Zbigniew Trzcionkowski


------------------------------------------------------------------

MILL is new modular antivirus project, where each of components
can work as separate program and doesn't require the others.


            Legal info
               - it's free

            Installation
             - it's easy


Currently the project consists of:


           MILL
               - file checker (XVS+XFD+XAD+internals)
          and executor of other components

            Notifier
               - tool for realtime detection of changes in selected files

            Integrity
               - tool for periodical detection of changes in whole selected
                 directories/partitions. Useful to see what has happened
                 since last time on harddisk.

            WatchDog
               - virus memory killer (XVS+internals)
```

There is no warranty of any kind given
for the stuff gathered in this archive!

All component features:

- font sensitive GUI
- protection of code in memory with MMU unit
  (where available, requires mmu.library by Thomas Richter.).
- full localisation (requires locale.library)
- commodities support (requires commodities.library)
- auto-remembering of settings
- iconification to WB/Tools

1.2 legal

MILL package is freeware.

MILL uses following free libraries:

xvs.library, (c) Georg Hoermann

xfdmaster.library, (c) Georg Hoermann and Dirk Stoecker

mmu.library, (c) Thomas Richter

And the following SHAREWARE library:

xadmaster.library, (c) Dirk Stoecker

XAD is available as part of OS3.9 or as separete SHAREWARE library.
If You didn't already: please consider upgrading OS or registering
this library – it's the only thing to pay for to use MILL!

1.3 install

Just copy whole directory with MILL whenever You wish. You might want to
add/delete/replace stuff in catalogs directory and in media
directory – just do it.

in case You want have any of MILL components activated on Your machine
at startup I suggest moving included project icons to WBStartup directory
of Your system partition(disk). Don't forget to correct their DefaultTool
field to point at location of Your MILL directory. Note that any required
ToolTypes should be specified directly in tool icons in the MILL directory.

Of course MILL components can also be called from CLI/Shell or AmigaDos
scripts like S:startup-sequence or S:user-startup.

Remember that MILL and Integrity by default pop up their user interfaces,
so specify CX_POPUP=NO as argument.

You might want to make boot-disk with MILL for yourself. Inluded script
called _makedisk gathers all required stuff in one directory.
All You have to do is to copy that stuff onto blank disk with installed
bootblock (use C:install for instance). Please ensure that Your
amigaguide.library doesn't internally use datatypes – the one from OS1.3
till 2.0 is ok. This library is required by Integrity and recommended
in MILL (to display reports).

(*) if somebody still happen to don't know (it's year 2002 guys!)...

Project and Tool are two kinds of icons You can see on the Workbench
screen. DefaultTool field of project icon points at program (that might
have an icon of tool kind) to run. ToolTypes and DefaultTool field can be
edited by selecting an icon with one click and entering right amiga(windows)
key with 'i' character.

1.4 mill

MILL

(c) 2002-2003 by Zbigniew Trzcionkowski <zeeball@interia.pl>

FREEWARE

MILL is the base program of the MILL antivirus project.
It's major task is file scanning using the powers of XVS, XFD and XADMASTER
as well as built-in routines. The GUI of MILL allows to run or call
other components of the package.

What is more important MILL has quarantine feature which
allows for automatical virus scanning. Properly configured moves files
from input directory to output directory (and holds infected ones).
Be warned that when input directory is same as output directory
or output directory is not valid/specified quarantine just tests files
and deletes the clean ones!

MILL has been written in assembler, uses about 30KB of memory
plus memory for each file *2 or even more...
MILL requires OS37+.

MILL can play warning sound when virus is found
(requires datatypes.library).

MILL can check files inside archives like LHA, LZX, ZOO, DMS and so on...
This feature requires xadmaster.library by Dirk Stoecker.

MILL can be executed from SHELL or from Workbench and offers the
following icon ToolTypes:

CX_POPUP   - YES/NO (by default MILL opens it's GUI)

CX_PRIORITY   - -128/+127 (default 0)

DONOTWAIT   - Only as tooltype. MILL does not create new task,
                so this is the standard way to tell Workbench that
                MILL does not return.

1.5   notifier

                    -- ←

Notifier

(c) 2002-2003 by Zbigniew Trzcionkowski <zeeball@interia.pl>

FREEWARE

Notifier is tool designed for permanent watching of selected files.
It uses notification mechanisms of AmigaDos and therefore it's activity
is quite quick and transparent. After execution the program simply
installs itself in memory and watches the selected files.
The effect of it's work are requesters describing which entries from
the list disappeared/got changed or got created.
Note that when you choose directory instead of file, it will be watched,
but using of this feature is discouraged as it does not supply any
detailed information concerning the changes...
To avoid that You can make .Int file for whole directory with
              Integrity
              and choose it with Notifier - it will be offered to import!

Notifier has been written in assembler, uses about 6KB of memory plus
all required components plus about half KB for each watched item...
Notifier requires OS37+.

Notifier can be executed from SHELL or from Workbench and offers the
following SHELL arguments/icon ToolTypes:

CX_POPUP   - YES/NO (by default Notifier not opens it's GUI)

CX_PRIORITY   - -128/+127 (default 0)

```
DONOTWAIT     - Only as tooltype. Notifier does not create new task,
                so this is the standard way to tell Workbench that Notifier does
                not return.
```

QuickMode switch. By default there is performed test if entries from
save file really exist (to supply information about creation of files
that do not exist during startup). Dramatically increasing speed of
startup on slower configurations, however appearance of nonexisting
files from the list is reported as change of them then.

Window close button hides the GUI. To quit Notifier use appropriate
menu item or commodities Exchange.

Files s:startup-sequence, s:user-startup and libs:xvs.library
by default are watched by WatchDog.

1.6 integrity

Integrity2

(c) 2002-2003 by Zbigniew Trzcionkowski <zeeball@interia.pl>

FREEWARE

Integrity is tool designed for periodical detection of alterations
on selected partition/directory. First of all user have to choose output
datafile and path to scan. The datafile will hold information about all
files and their checksums. When the second file is made (e.g. week
later) we can compare two files and see which files are new, which got
deleted and which are altered. Use of additional password is recommended.

Integrity has been written in assembler, uses about 18KB of memory plus
all required components plus memory for scanned files and so on...
Integrity requires OS37+

Integrity can be executed from SHELL or from Workbench and in both cases
offers the same template/tooltype:

```
CX_POPUP      - YES/NO (by default Integrity opens it's GUI)

CX_PRIORITY   - -128/+127 (default 0)

LOGSPATH      - by default PROGDIR:logs/ is default directory to store .Int
                files. This parameter let user choose his own location
                for .Int files. Setting of that parameter is recommended
                before you place Integrity on CD to avoid stress and wasted
```

```
            time :P
```

DONOTWAIT   - Only as tooltype. Integrity does not create new task,
               so this is the standard way to tell Workbench that
               Integrity does not return.

1.7 watchdog

WatchDog2

(c) 2002-2003 by Zbigniew Trzcionkowski <zeeball@interia.pl>

FREEWARE

WatchDog is memory watching program which uses XVS as well as internal
routines.

WatchDog has been written in assembler, uses about 10KB of memory.
WatchDog requires OS37+

WD2 can be executed from SHELL or from Workbench and offers the
following SHELL arguments/icon ToolTypes:

CX_POPUP   - YES/NO (by default WatchDog not opens it's GUI)

CX_PRIORITY - -128/+127 (default 0)

DONOTWAIT   - Only as tooltype. WatchDog does not create new task,
               so this is the standard way to tell Workbench that
               WatchDog does not return.

In settings menu You can swich such features as:
watching reset vectors, using of xvs.library, checking of the
top edge of the system stack, checking volume stacks for HitchHiker5
style of memory infection, checking old BCPL stuff and notifing
about changes of s:startup-sequence, s:user-startup and libs:xvs.library

Window close button hides the GUI.
To quit WatchDog use appropriate menu item or commodities Exchange.